

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

339



**FROM:** Department of Environmental Health

**SUBMITTAL DATE:**  
March 26, 2013

**SUBJECT:** Approve the Purchase of RAE Systems Wireless Portable Multi-Threat Gas Monitoring System w/GPS for Department of Environmental Health, via the competitive bid process, with only one bid received.

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve the purchase of RAE Systems Wireless Portable Multi-Threat Gas Monitoring System w/GPS equipment in the amount of \$26,835 from RAE Systems, Inc. for up to 5 years, renewable in one year increments and;
2. Accept Rae Systems equipment as a County standard for future purchases exempts the pertaining to brand and;
3. Approve and direct the Auditor-Controller to make the budget adjustment as specified on the attached Schedule A, and;

(continued on page 2)

*Steve Van Stockum*

Steve Van Stockum, Director  
Department of Environmental Health

**FINANCIAL DATA**

Current F.Y. Total Cost:	\$ 26,835	In Current Year Budget:	No
Current F.Y. Net County Cost:	\$	Budget Adjustment:	Yes
Annual Net County Cost:	\$	For Fiscal Year:	12/13

**SOURCE OF FUNDS:** 100% Reimbursement from CHOG (County Hazardous Operation Group) Grant.

Positions To Be Deleted Per A-30	<input type="checkbox"/>
Requires 4/5 Vote	X

**C.E.O. RECOMMENDATION:**

APPROVE

BY: *Steven C. Horn*  
Steven C. Horn, MPA

**County Executive Office Signature**

**MINUTES OF THE BOARD OF SUPERVISORS**

On motion of Supervisor Stone, seconded by Supervisor Ashley and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Stone, Benoit and Ashley  
Nays: None  
Absent: None  
Date: April 30, 2013  
xc: Environmental Health, Purchasing, EO, Auditor

Kecia Harper-Ihem  
Clerk of the Board  
By: *Kecia Harper-Ihem*  
Deputy

**Prev. Agn. Ref.:**

**District:**

**Agenda Number:**

3-9

FISCAL PROCEDURES APPROVED  
PAUL ANGLIO, CPA, AUDITOR-CONTROLLER  
BY: *Lisette Rose*  
Lisette Rose

Purchasing: *Mark Seiler*  
Mark Seiler, Assistant Director

Policy ☒ Policy ☒  
Consent ☐ Consent ☐

Dep't Recomm.:  
Per Exec. Ofc.:

2013 MAY 30 09:15:30  
RECEIVED RIVERSIDE COUNTY

**FORM 11**

**SUBJECT:** Approve the Purchase of RAE Systems Wireless Portable Multi-Threat Gas Monitoring system w/GPS for Department of Environmental Health, via the competitive bid process, with only one bid received.

Date: March 26, 2013

**PAGE 2****RECOMMENDED MOTION (Cont.)**

4. Authorize the Purchasing Agent, in accordance with Ordinance No. 459, to sole source with RAE Systems for the Wireless Portable Multi-Threat Gas Monitoring System w/GPS, and to issue the purchase orders not to exceed \$30,000 annually for future purchases of the equipment for a five year period.

**BACKGROUND:**

The Department of Environmental Health is responsible for the testing of air quality for hazardous materials and the ability to relay information to a central location of responders to determine possible action (i.e. Hazardous Materials testing, containment, evacuations or any requirement pertaining to public safety). The equipment will assist to maintain the level of work that is done by the department; reduce the risk of exposure to hazardous materials and maintaining public safety. In order to administer testing, Multi-Threat Gas Monitoring Systems w/GPS devices are required and at this time can only be purchased through RAE Systems as the geographical distributor. The equipment requested has been tested and proven to produce the information needed by the department and is the current equipment used. Currently no compatible equipment exists.

**FINANCIAL INFORMATION:**

Memorandum of Understanding is in place effective November 18, 2011 through January 30, 2014 grant monies received from the Homeland Security Grant Program (HSGP) through Emergency Preparedness and Response program.

**PRICE REASONABLENESS:**

County Purchasing released a Request for Quote EHARC-001, solicitation were sent to all known vendors and contacts registered in the County database totaling over 60 individuals and/or companies as well as advertised on the County Purchasing Internet Site; with one bid response received.

Pricing of the equipment is cost direct from the manufacturer. Any other sources are required to purchase direct from the manufacturer and in turn charge the County an additional fee plus the cost of equipment. The quote received was review by the Department of Environmental Health and meets the requirements of the request for quote. The Department of Environmental Health and Purchasing recommend that the award be given to RAE Systems as the responsive/responsible vendor, submitting a total cost of \$26,835 for equipment.

**FORM 11**

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**PRICE REASONABLENESS (Cont.)**

It is anticipated that the Department of Environmental Health will purchase new devices for up to \$30,000 annually to maintain equipment level required to operate. RAE Systems is providing the standard government discount rate that is 5% lower than retail rates.

**REVIEW/APPROVAL:**

Purchasing concurs with this request.

Schedule A  
Environmental Health

Budget Adjustment  
Fiscal Year 2012/13

Increase in Appropriation:

10000 - 4200400000 - 546160	Equipment – Other	26,835
10000 - 4200400000 - 572200	Intra-Grant	(26,835)

Date: March 26, 2013

From: Steve Van Stockum, Director of Environmental Health  
Department of Environmental Health

To: Board of Supervisors/Purchasing Agent

Via: Purchasing Agent

Subject: Sole Source Procurement Request – RAE Systems Wireless Portable Gas  
Multi-Threat Monitoring System w/GPS

The information provided below is in support of the Department of Environmental Health requesting approval for a sole source. Outside of a duly declared emergency, the time to develop a statement of work or specifications is not in itself justification for sole source.

1. **Supply/Service being requested:** The Department of Environmental Health requires the ability to monitor various gases with the use of wireless gas detection instruments with the GPS component. Compatibility with existing equipment and software loaded into gas monitoring devices are proprietary to the manufacturer.
2. **Supplier being requested:** RAE Systems, Inc.
3. **Alternative suppliers that can or might be able to provide supply/service:** Although, there are alternative suppliers that can provide wireless gas detection systems these systems are not equipped with GPS, and any alternative equipment would not be compatible with existing equipment and software currently used by the department. The current RAE system is proprietary.
4. **Extent of market search conducted:** County Purchasing released a Request for Quote (RFQ) EHARC-001, to ensure the widest possibility of notification and competition. The bid was issued January 3, 2013 on Public Purchase and closed on January 30, 2013. The County received one bid from RAE Systems, Inc., and was provided a statement from RAE Systems that the products were of a proprietary solution. The department did perform research with calls to various vendors; other vendors can procure the equipment from RAE Systems the Manufacturer, however, at an additional fee plus the cost of equipment. This is not a cost effective solution.
5. **Unique features of the supply/service being requested from this supplier, which no alternative supplier can provide:** The equipment is wireless w/GPS monitor feature that is able to communicate from remote areas.
6. **Reasons why my department requires these unique features and what benefit will accrue to the county:** Remote measuring of hazardous materials and the ability to relay of information to a central point of responders which can make an immediate decision to conduct Hazardous Material testing, containment, evacuations or any requirements that pertain to public safety.

7. **Price Reasonableness:** \$26,834.65 cost direct from the manufacturer, other vendors have a 12% to 26% markup.
8. **Does moving forward on this product or service further obligate the county to future similar contractual arrangements or any ongoing costs affiliated with this sole source? (Maintenance, support, or upgrades, if so, please explain).** The license is included with the cost of the equipment, the license covers the use of the software and technical support.
9. **Period of Performance:** Current purchase and any equipment requirements up to 5 years.
10. **Provide a defined period of performance. Please note multi-year terms require Board approval, unless renewable in one year increments and the Purchasing Agent approves the terms.** MOU with the State of California Homeland Security Grant Program approved from November 18, 2011 through January 3 2014.

Steve Van Steekum 4-8-13  
Department Head Signature Date

Purchasing Department Comments:

Approve Approve with Condition/s Disapprove

Not to exceed: \$ 30,000 One time ☒ Annual Amount through 6-30-2018

M. R. De 4-11-13 13-432  
Purchasing Agent Date Approval Number  
(Reference on Purchasing Documents)



**RIVERSIDE COUNTY INFORMATION TECHNOLOGY PROCUREMENT FORM**  
To be completed for all departmental purchases of IT systems, services or renewals

20353

8/21

<b>REQUESTED PURCHASE:</b>		<b>RAE SYSTEMS WIRELESS PORTABLE MULTI THREAT GAS MONITORING SYSTEM WITH GPS</b>																	
<b>DEPARTMENT/AGENCY:</b>		<b>ENVIRONMENTAL HEALTH</b>																	
<b>CONTACT NAME/PHONE:</b>		<b>DAVID VILLEGAS</b>																	
<b>PURCHASE REQUEST:</b>		<input type="checkbox"/> NEW EQUIPMENT/SERVICES <input type="checkbox"/> UPGRADE <input type="checkbox"/> REPLACEMENT																	
<b>PURCHASE TYPE:</b>		<input type="checkbox"/> PROFESSIONAL SERVICES <input checked="" type="checkbox"/> SOFTWARE <input type="checkbox"/> HARDWARE <input checked="" type="checkbox"/> RENEWAL																	
<b>DESCRIBE REQUESTED PURCHASE</b>	The Department of Environmental Health requires the ability to monitor various gases with the use of wireless gas detection instruments with the GPS component. Compatibility with existing equipment and software loaded into gas monitoring devices are proprietary to the manufacture. The recommended equipment to perform these functions are the RAE RDK Host Kit for \$13,637.25 and AreaRae Monitor LEL for \$13,197.40 which are funded through the homeland security.																		
<b>BUSINESS NEEDS ADDRESSED</b>	The Department of Environmental Health is responsible for the testing of air quality for hazardous materials. The ability for remote measuring of hazardous materials and the ability to relay information to central point of responders which can make an immediate decision to conduct Hazardous Material testing, containment, evacuations or any requirements that pertain to public safety.																		
<b>ARE THERE ANY OTHER COUNTY SYSTEMS THAT PROVIDE THE SAME FUNCTIONALITY?</b>		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> UNKNOWN																	
<b>BUSINESS CRITICALITY</b> <input checked="" type="checkbox"/> Run the business <input type="checkbox"/> Grow the business <input type="checkbox"/> Transform the business		<b>BUSINESS IMPACT (SELECT ALL THAT APPLY)</b> <input checked="" type="checkbox"/> Support current operations <input type="checkbox"/> Reduce Expenses <input checked="" type="checkbox"/> Improve Customer Service <input checked="" type="checkbox"/> Improve Operational Efficiencies																	
<b>BUSINESS RISKS</b>	Financial:  Operational:  Customer:																		
<b>ALTERNATIVE SOLUTIONS</b>	1. [Solution] 2. [Solution] 3. [Solution]																		
<b>TRANSACTION</b>	<input checked="" type="checkbox"/> Cash Purchase <input type="checkbox"/> Lease Purchase Lease Years: _____																		
<b>PURCHASE COSTS</b>  Hardware:\$26,834.65  Software:		<b>COST BENEFIT ANALYSIS</b> <table border="1"><thead><tr><th></th><th>ALTERNATIVE STATUS QUO</th><th>ALTERNATIVE</th><th>ALTERNATIVE</th></tr></thead><tbody><tr><td>Current Annual Cost</td><td></td><td></td><td></td></tr><tr><td>Ongoing Annual Cost</td><td></td><td></td><td></td></tr><tr><td>Annual Cost Savings</td><td></td><td></td><td></td></tr></tbody></table>			ALTERNATIVE STATUS QUO	ALTERNATIVE	ALTERNATIVE	Current Annual Cost				Ongoing Annual Cost				Annual Cost Savings			
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**RIVERSIDE COUNTY INFORMATION TECHNOLOGY PROCUREMENT FORM**  
To be completed for all departmental purchases of IT systems, services or renewals

20383

Labor: \$	Net Annual Savings			
	Project Implementation Cost			
	Project Payback Period? yrs			
<b>TOTAL COST: \$26,834.65</b>				

37  
121

Department Head Signature:  Date: 3.27-13

<b>RCIT RECOMMENDATION – for purchases and renewals under \$100,000</b>	
Recommended:	<input type="checkbox"/> Yes <input type="checkbox"/> No (Non-recommended requests submit to TSOC)
By:	<b>RCIT - APPROVED</b> Date: 3/28
Chief Information Officer Signature:	Date:

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<b>RCIT explanation for non-recommended requests:</b>

<b>TSOC RECOMMENDATION: for purchases and renewals over \$100,000 and RCIT non-recommended purchases or renewals</b>	
Recommended:	<input type="checkbox"/> Yes <input type="checkbox"/> No (In no, provide explanation below)
TSOC Chair Signature:	Date:

<b>TSOC explanation for denied requests:</b>